

Moeller, Jason W - DNR

From: Don Brittnacher [Don.Brittnacher@omni.com]
Sent: Tuesday, September 29, 2009 4:07 PM
To: Moeller, Jason W - DNR
Cc: kolodzie@co.door.wi.us
Subject: Proposed workplan for Door County Highway Dept. north salt storage facility
Attachments: Proposed test pit locations.doc; Aerial.doc

Jason,

The Door County Highway Department hired OMNNI to investigate the salt conditions in the soil at the north salt storage site south of Sister Bay. Our first phase will involve performing test pits, and sampling the soil from the upper three feet, as well as the area immediately above bedrock, which is expected to be eight feet below the surface. Samples will be tested for sodium and chloride.

Attached is a map with the proposed test pit locations. We expect the original cause of salt contamination to area groundwater to be from the outside storage of a 10% salt/sand mixture. Surface runoff from the storage location is directed to a ditch on the south side of the yard at the site, and is then directed to the west to a small, depressed area west of the yard. Water in that depression eventually evaporates or infiltrates into the ground. We anticipate the area below the depression to have elevated salt concentrations.

We will contact you with the results of the investigation.

Thank you.

Don

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10/01/2009

Door County Highway Department North Salt Storage Facility
Proposed Test Pit Locations



Door County Highway
Department North Salt
Storage Facility

Approx. Former
Storage Area of
Sand/Salt Mixture

Surface
Drainage

